

**DERWENT-ACC-NO: 1978-K3410A**

**DERWENT-WEEK: 197847**

**COPYRIGHT 1999 DERWENT INFORMATION LTD**

**TITLE: High voltage transmission lines  
deicing system - has  
earth return cables connected to  
conductor withdrawn from  
operation to reduce insulation level**

**INVENTOR: DOSTMAN, L S; NIKONETS, L A**

**PATENT-ASSIGNEE: GENRIKH G A[GENRI]**

**PRIORITY-DATA: 1974SU-2007541 (March 21, 1974)**

**PATENT-FAMILY:**

<b>PUB-NO</b>	<b>PUB-DATE</b>	<b>LANGUAGE</b>
<b>PAGES MAIN-IPC</b>		
<b>SU 587548 A</b>	<b>January 12, 1978</b>	<b>N/A</b>
<b>000 N/A</b>		

**INT-CL (IPC): H02G007/16**

**ABSTRACTED-PUB-NO: SU 587548A**

## **BASIC-ABSTRACT:**

**High-voltage network contains transmission lines (3, 5) with earth-return cables (7, 8) and an ice-thawing supply (1) which is connected at the time of melting to a line conductor withdrawn from operation. The short-coming of the system is the need for a thawing supply at every substation and so the cables (7, 8) require a relatively high level of insulation.**

**In the proposed network the cables (7, 8) are connected to the conductor withdrawn from operation. The invention concerns power engineering. It is useful in high-voltage networks in icy areas. It enables cables on lines from distribution substations to be de-iced from a single supply. Sectionalisation of the cables considerably reduces the insulation level.**

**TITLE-TERMS: HIGH VOLTAGE TRANSMISSION LINE  
DEICER SYSTEM EARTH RETURN CABLE  
CONNECT CONDUCTOR WITHDRAW OPERATE  
REDUCE INSULATE LEVEL**

**DERWENT-CLASS: W01 X12**